

HGCA Recommended List[®] Spring Barley 2009

MARKET OPTIONS AND GRAIN QUALITY



	P1		P1		C	P1		P2	C	C	C	*	C	* P2			P2	* P2	*	*	*	Average LSD (5%)
	Quench	Cropton	Concerto	Publican	NFC-Tipple	Forensic	Belgravia	Westminster	Cocktail	Oxbridge	Cellar	Optic	Decanter	Waggon	Sweeney	Scout	Jolika	Rebecca	Doyen	Riviera		
End-use group	Malting varieties													Feed varieties								
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	North	UK	UK	NE	UK	North	UK	UK		
UK Treated yield as % control (7.1 t/ha)	106	106	105	104	103	102	102	102	101	99	97	96	#	106	105	105	104	104	101	97	3.0	
Main market options																						
IBD malting approval for brewing use	F	-	P	-	F	-	-	F	F	-	-	F	-	-	-	-	-	-	-	-		
IBD malting approval for distilling use	-	-	P	F	-	P	F	-	F	F	-	F	-	-	-	-	-	-	-	-		
IBD malting approval for grain distilling use	-	-	-	-	-	P	F	-	-	-	-	-	F	-	-	-	-	-	-	-		
Overseas malting	[Y]	-	-	[Y]	Y	-	-	-	[Y]	-	Y	Y	-	-	-	-	-	-	-	-		
Year first listed	07	09	09	07	05	09	08	05	03	05	01	95	99	05	08	08	08	04	04	95		
Grain quality																						
Specific weight (kg/hl)	66.6	67.0	67.2	67.8	67.4	66.1	67.5	68.9	68.7	68.5	67.6	68.8	68.2	66.5	66.6	67.4	65.8	65.3	67.8	69.3	0.8	
Sieving % through 2.25 mm	2.2	[2.3]	[1.9]	1.7	2.1	[1.9]	2.0	1.8	2.7	1.6	1.7	2.2	2.7	[2.8]	2.2	[1.9]	2.1	-	-	1.7	0.7	
Sieving % through 2.5 mm	6.7	[6.7]	[5.1]	4.8	5.9	[5.8]	6.5	5.4	8.6	4.4	5.2	7.5	8.3	[6.9]	6.2	[6.1]	5.8	-	-	4.8	1.8	
Nitrogen content (%)	1.54	1.52	1.49	1.55	1.47	1.45	1.54	1.54	1.50	1.51	1.55	1.53	-	-	1.47	[1.58]	1.49	-	-	-	0.07	

P1, P2 = first and second year of recommendation

Y = suited to that market

F = Full IBD approval

Growers are strongly advised to check with their buyer before committing to a malting variety without full IBD approval

Average LSD (least significant difference) 5%. Varieties that are more than one LSD apart are significantly different at the 5% confidence level

UK = recommended for the whole of the UK

NE = Specific recommendation for the North East region

North = Specific recommendation for both the North West and North East regions

= Decanter has been grown only in trials in the North for several years so a UK mean yield cannot be given

* = variety no longer in trials

[Y] = may be suited to that market

P = Provisional IBD approval

C = yield control

[] = limited data

[T] = Under test for IBD approval in this segment

® = "HGCA RECOMMENDED LIST" is a registered trademark ADHB-HGCA

Varieties no longer listed: Appaloosa, Static, Wicket

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YIELD, AGRONOMY AND DISEASE RESISTANCE



	P1		P1		C	P1	P2	C	C	C	*	C		* P2		P2	* P2	*	*	*	Average LSD (5%)
	Quench	Cropton	Concerto	Publican	NFC-Tipple	Forensic	Belgravia	Westminster	Cocktail	Oxbridge	Cellar	Optic	Decanter	Waggon	Sweeney	Scout	Jolika	Rebecca	Doyen	Riviera	
End-use group	Malting varieties												Feed varieties								
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	North	UK	UK	NE	UK	North	UK	UK	
Fungicide treated grain yield as % treated control																					
UK with fungicide (7.1 t/ha)	106	106	105	104	103	102	102	102	101	99	97	96	#	106	105	105	104	104	101	97	3.0
North East region with fungicide (7.3 t/ha)	105	105	104	103	103	102	101	101	101	98	96	96	94	107	105	107	104	102	101	96	3.4
Dry (East) region with fungicide (7.0 t/ha)	106	[108]	[108]	105	103	[101]	104	103	101	99	99	94	-	105	106	104	105	-	102	98	4.9
Wet (West) region with fungicide (7.3 t/ha)	109	[101]	[103]	104	103	[105]	[101]	100	102	100	95	96	-	105	[104]	-	[104]	-	101	97	4.9
North West region with fungicide (6.4 t/ha)	106	-	-	106	103	-	[102]	103	102	96	98	97	[97]	108	[104]	[101]	[104]	100	103	99	5.4
Untreated grain yield as % treated control in comparable trials																					
UK without fungicide	93	93	91	94	90	85	93	93	87	87	84	79	84	92	93	92	91	88	90	87	3.7
Agronomic features																					
Resistance to lodging	7	9	7	7	8	6	7	6	8	8	7	8	8	8	7	6	7	5	9	6	-
Straw height (cm)	70	76	77	74	69	71	76	81	69	73	69	75	74	73	71	71	70	79	70	78	2.2
Ripening (+/- Optic, -ve = earlier)	0	0	-1	+1	-1	-1	0	0	-1	-1	-1	0	-1	-2	-1	-1	+1	-1	-1	-2	1.0
Resistance to brackling	8	9	7	7	8	8	7	6	9	8	6	5	8	8	8	8	7	4	8	7	0.2
Disease resistance																					
Mildew	9	9	9	8	8	5	9	9	7	7	9	5	9	9	9	8	9	6	7	8	0.8
Yellow rust	4	-	-	3	3	-	[7]	6	4	5	4	8	8	6	[4]	[2]	[5]	4	3	6	2.0
Brown rust	4	5	6	5	8	5	6	6	8	6	7	6	5	5	8	6	4	6	7	4	-
<i>Rhynchosporium</i>	8	6	4	8	4	5	7	8	6	7	4	4	6	3	5	5	5	8	7	5	1.5
Barley yellow dwarf virus (BYDV)	[6]	[5]	[7]	[6]	[7]	[7]	[6]	[6]	[7]	[6]	[7]	[5]	-	[7]	[7]	[7]	[7]	[4]	[7]	[5]	-

P1, P2 = first and second year of recommendation

* = variety no longer in trials

C = yield control

[] = limited data

Average LSD (least significant difference) 5%. Varieties that are more than one LSD apart are significantly different at the 5% confidence level

On the 1-9 scales high figures indicate that a variety shows the character to a high degree (e.g. high resistance)

Comparisons of variety performance across regions are not valid

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North = Specific recommendation for both the North West and North East regions

= Decanter has been grown only in trials in the North for several years so a UK mean yield cannot be given

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SUPPLEMENTARY DATA

	P1		P1	C	P1	P2	C	C	C	*	C		* P2	P2	* P2	*	*	*	Average LSD (5%)		
	Quench	Cropton	Concerto	Publican	NFC-Tipple	Forensic	Belgravia	Westminster	Cocktail	Oxbridge	Cellar	Optic	Decanter	Waggon	Sweeney	Scout	Jolika	Rebecca	Doyen	Riviera	
End-use group	Malting varieties												Feed varieties								
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	North	UK	UK	NE	UK	North	UK	UK	
Breeder/ UK contact																					
Breeder	Syn	Syn	Nick	Syn	Syn	Syn	Nick	Nick	Syn	Nick	Syn	Syn	Nick	Syn	Syn	Nick	Syn	Nord	Syn	RAGT	
UK contact	Syn	Syn	Nick	Syn	Syn	Syn	Nick	Nick	Syn	Nick	Syn	Syn	Nick	Syn	Syn	Nick	Syn	SU	Syn	RAGT	
Grain yield as % treated control																					
2004 treated (7.0 t/ha)	107	-	-	106	105	-	-	101	100	100	96	94	95	105	-	-	-	104	101	95	2.8
2005 treated (7.1 t/ha)	108	-	-	106	102	-	101	101	102	98	96	96	92	106	107	106	103	97	102	98	3.1
2006 treated (6.8 t/ha)	106	105	107	105	103	102	101	99	100	99	97	98	95	104	105	107	106	103	99	98	3.5
2007 treated (7.0 t/ha)	106	110	106	104	104	102	103	104	102	94	98	96	93	108	105	104	102	100	102	99	3.1
2008 treated (7.4 t/ha)	104	104	105	102	102	104	103	102	102	99	-	95	[96]	108	105	[107]	107	105	103	-	4.2
Malting quality																					
Hot water extract (l deg/kg)	314.3	312.6	317.0	313.9	313.0	313.6	313.3	316.7	313.9	315.7	314.3	312.7	-	-	314.0	311.1	315.9	-	-	-	2.2

All yields on this table are taken from treated trials receiving a full fungicide programme.

Key to breeder/UK contact codes:

Nick = Nickerson (www.nickersonseeds.co.uk)

Nord = Nordsaat, Germany

RAGT = RAGT Seeds (www.ragt.co.uk)

SU = Saaten Union UK (www.saaten-union.co.uk)

Syn = Syngenta Seeds (www.newfarmcrops.co.uk)

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